

## INTERNATIONAL SEARCH REPORT

PCT/GB2004/001556

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F16H15/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 07, 31 August 1995 (1995-08-31) & JP 7 091513 A (JATCO CORP), 4 April 1995 (1995-04-04)	1-5, 33
Y	abstract	6-17, 19-32
	-& JP 07 091513 A (JATCO CORP) 4 April 1995 (1995-04-04) figures 1-3	
X	WO 02/48578 A (TOYOTA MOTOR CO LTD ; TAKETSUNA YASUJI (JP); TAMAKI SHIGENORI (JP)) 20 June 2002 (2002-06-20)	18, 33
Y	abstract	6-17, 19-32
	figure 2	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\* &amp; \* document member of the same patent family

Date of the actual completion of the international search

7 July 2004

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Zevelakis, N

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 3 810 398 A (KRAUS C) 14 May 1974 (1974-05-14) abstract figure 5 -----	1-5, 33 6-32
X A	JP 08 135746 A (NIPPON SEIKO KK) 31 May 1996 (1996-05-31) figures 3, 10 -----	18, 33 6-17, 19-21
A	GB 665 237 A (PIGNONE SOCIETA PER AZIONI) 16 January 1952 (1952-01-16) abstract figures 2-13 -----	1-33
P, X	WO 2004/027293 A (ROBINSON LESLIE KENDRICK ; TOROTRAK DEV LTD (GB)) 1 April 2004 (2004-04-01) abstract -----	1-33
P, X	DE 102 23 425 A (BAYERISCHE MOTOREN WERKE AG) 4 December 2003 (2003-12-04) abstract claim 1 figures 1-7 -----	1-5, 33

# INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB2004/001556

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 7091513	A	04-04-1995	JP 3516706 B2	05-04-2004
WO 0248578	A	20-06-2002	JP 2002181152 A	26-06-2002
			EP 1350987 A1	08-10-2003
			WO 0248578 A1	20-06-2002
			US 2004033860 A1	19-02-2004
US 3810398	A	14-05-1974	CA 999759 A1	16-11-1976
			DE 2354193 A1	18-07-1974
			FR 2226046 A5	08-11-1974
			GB 1423586 A	04-02-1976
			IT 999242 B	20-02-1976
			JP 1130741 C	17-01-1983
			JP 49080462 A	02-08-1974
			JP 57023140 B	17-05-1982
JP 8135746	A	31-05-1996	NONE	
GB 665237	A	16-01-1952	NONE	
WO 2004027293	A	01-04-2004	WO 2004027293 A1	01-04-2004
DE 10223425	A	04-12-2003	DE 10223425 A1	04-12-2003
			WO 03100294 A1	04-12-2003